



SM10
SMART ANTENNA

CREATIVAMENTE IDEE PER COMUNICARE.IT



UPGRADE
YOUR CAR
TO DIGITAL
RADIO



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The migration from analogic to Digital Radio will create the need to upgrade used cars but:

- > The current car radio are usually integrated with other systems (steering wheel controls / screens)
- > Digital radio needs a specifically designed antenna to adapt to different frequencies

THE TYPICAL AFTER MARKET UPGRADE IS COMPLEX AND EXPENSIVE

- > Fiamm has an extensive expertise in designing antennas for the OEM market
- > To help migrate most cars to digital radio, Fiamm has designed the SM10
- > SM10 is an all in one roof antenna that replaces the existing antenna of the car
- > Control of the antenna is made via bluetooth by a smartphone
- > Application can be downloaded from the various app's markets
- > Audio is connected by wire to the Aux system of the car

Plus +

- + Easy to install (less than 30 minutes)
- + Providing excellent digital radio reception
- + Easy to command through smart-phone
- + Avoids after market add-ons to the car
- + Respectful of the car internal design
- + Competitive respect to current market solutions

Easy to command through smart-phone



Control of the antenna is made via bluetooth



Audio is connected by wire to the Aux system of the car



SM10 SM11*

DAB/DAB+/DMB with internal tuner / demodulator controlled by a smartphone, AM/FM amplifier roof antenna
 *SM11: version with GSM and GPS

Options

- > Extension audio cable (from the antenna to the radio)
- > Adaptors for all connectors

Other specifications

- > The antenna is delivered with a 30 cm length mast
- > Mast length can be customized

Conformity to standards of

- > ISO 14001
- > ISO 9001
- > ISO/TS 16949



Dimensions (mm)

135 L x 92 W x 61 H

General Specifications

DAB Supply (min, typical, max)	6, 13, 24	V
DAB Current consumption (min, max)	56, 140	mA
AM/FM Phantom supply (min, typical, max)	6, 12, 18	V
AM/FM Current consumption	50	mA
GPS Phantom supply (min, max)*	3, 5.5	V
GPS Current consumption (min, max) *	22, 36	mA
Temperature range	-40 to +85	°C

Radio frequency Specifications

AM Frequency band	140 to 1710	kHz
FM Frequency band	88 to 108	MHz
Phone frequencies bands*	GSM / DCS / UMTS	
Digital radio standards	DAB / DAB+ / DMB	
Digital radio bands	Band 3 / L Band	
DAB Receiver sensitivity	-100	dBm

Bluetooth and software management

- Bluetooth class 2
- Multi OS compatible
- Stereo audio sent over cable

Output connectors (Cable length: 30cm)

AM/FM	White Fakra
GPS*	Blue Fakra
GSM*	Purple Fakra
Audio	3 ways MQS
DC Supply (optional**)	2 ways MQS

*GSM and GPS antennas

**Power supply for Digital radio system:

- Through a DC Supply cable
- Through the phantom supply of AM/FM cable